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(21) International Application Number: PCT/SE99/00811 (22) International Filing Date: 12 May 1999 (12.05.99) (30) Priority Data: 9801707-2 14 May 1998 (14.05.98) SE (71) Applicant (for all designated States except US): NET INSIGHT AB [SE/SE]; Ingenjörsvägen 3, S-117 43 Stockholm (SE). (72) Inventors; and (75) Inventors/Applicants (for US only): <del>BOHM</del> Christer [SE/SE]; Varpholmsgränd 32, S-127 46 Skärholmen (SE). <del>DANIELSON</del> Magnus [SE/SE]; Kyrkvägen 3 A, S-182 74 Stock-sund (SE). <del>OLSSON</del> Bengt, J. [SE/SE]; Rådjursvägen 303, S-147 34 Tumba (SE). (74) Agent: AWAPATENT AB; P.O. Box 45086, S-104 30 Stockholm (SE).		(81) Designated States: AE, AL, AM, AT, AT (Utility model), AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, CZ (Utility model), DE, DE (Utility model), DK, DK (Utility model), EE, EE (Utility model), ES, FI, FI (Utility model), GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK (Utility model), SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).  <b>Published</b> Without international search report and to be republished upon receipt of that report.

(54) Title: METHODS AND APPARATUSES FOR PROVIDING SYNCHRONIZATION IN A COMMUNICATION NETWORK

## (57) Abstract

The present invention refers to methods and apparatuses for providing synchronization in a communication network wherein data is transferred on bitstreams in frames, each frame of a bitstream being defined by a recurrent frame synchronization signal that is transmitted on said bitstream. According to the invention, information relating to the timing of the detection of a recurrent frame synchronization signal is generated and transmitted to at least one frame synchronization providing node of said network, said information preferably being used at said frame synchronization providing node for controlling the transmission of said recurrent frame synchronization signal based thereupon.

